

FILE 'HOME' ENTERED AT 14:29:22 ON 19 SEP 2002

=> file merck
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
0.21	0.21

FILE 'MRCK' ENTERED AT 14:29:28 ON 19 SEP 2002
COPYRIGHT (C) 1996, 2002 Merck & Co., Inc., Whitehouse Station, N. J.

FILE COVERS FROM LATE 19TH CENTURY TO PRESENT. LAST UPDATE: APRIL 2001

Merck & Co., Inc. cannot be responsible for errors in publication or for any consequences arising from use of the information contained in THE MERCK INDEX ONLINE. Reference to original sources is encouraged.

THE MERCK INDEX ONLINE is a service mark of Merck & Co., Inc., Whitehouse Station, N. J., USA.

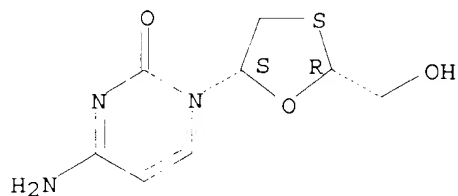
This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s lamivudine
L1 1 LAMIVUDINE

=> d all

L1 ANSWER 1 OF 1 MRCK COPYRIGHT (C) 1996, 2002 MERCK & CO., INC.,
Whitehouse Station, N. J.
MERCK Number (MNO): 5365
CAS Registry No. (RN): 134678-17-4
MERCK Index Name (MIN): **Lamivudine**
CA Index Name (CN): (2R-cis)-4-Amino-1-[2-(hydroxymethyl)-1,3-oxathiolan-5-yl]-2(1H)-pyrimidinone
Synonym(s) (CN): (-)-2'-deoxy-3'-thiacytidine; (-)-1-[(2R,5S)-2-(hydroxymethyl)-1,3-oxathiolan-5-yl]cystosine; 3'-thia-2',3'-dideoxycytidine; 3TC
Drug Code(s) (CN): (-)-BCH-189; GR-109714X
Trade Name(s) (CN): Epivir (Glaxo Wellcome); Zeffix (Glaxo Wellcome)
Molecular Form. (MF): C8 H11 N3 O3 S
Wgt Composition (COMP): C 41.91%, H 4.84%, N 18.33%, O 20.94%, S 13.99%.
Molecular Weight (MW): 229.26
References (RE): Reverse transcriptase inhibitor. Prepn: J. A. V. Coates et al., PCT Int. pat. Appl. 91 17159, C.A. 117, 111989 (1991). Synthesis of enantiomers: J. W. Beach et al., J. Org. Chem. 57, 2217 (1992); of (-)-enantiomer: D. C. Humber et al., Tetrahedron Letters 33, 4625 (1992). HPLC determin in urine: D. M. Morris, K. Selinger, J. Pharmaceut. Biomed. Anal. 12, 255 (1994). Clinical trial in hepatitis B: F. Nevens et al., Gastroenterology 113, 1258 (1997). Review of pharmacology and clinical efficacy in HIV infection: C. M. Perry, D. Faulds, Drugs 53, 657-680 (1997).

Absolute stereochemistry. Rotation (-).



Melting Point (MP):

Value
MP
deg C
=====

160 - 162

Optical Rotatory Power (ORP):

Value	Temp.	Spectral	
ORP	ORP.T	Line	Note
deg	deg C	ORP.SL	
-135	21	D	(c = 0.38 in methanol)

Other Properties (OCP):

Crystals from boiling ethanol. mp 160-162.degree. . [.alpha.]D21
-135.degree. (c = 0.38 in methanol) . Soly in water (20.degree.): 70
mg/ml.

Therapeutic Codes (THER):

Antiviral.

Other Sources (OS):

989

Referenced Patent (RPN):

WO9117159

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1811DXL

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
NEWS 2 Apr 08 "Ask CAS" for self-help around the clock
NEWS 3 Apr 09 BEILSTEIN: Reload and Implementation of a New Subject Area
NEWS 4 Apr 09 ZDB will be removed from STN
NEWS 5 Apr 19 US Patent Applications available in IFICDB, IFIPAT, and IFIUIDB
NEWS 6 Apr 22 Records from IP.com available in CAPLUS, HCAPLUS, and ZCAPLUS
NEWS 7 Apr 22 BIOSIS Gene Names now available in TOXCENTER
NEWS 8 Apr 22 Federal Research in Progress (FEDRIP) now available
NEWS 9 Jun 03 New e-mail delivery for search results now available
NEWS 10 Jun 10 MEDLINE Reload
NEWS 11 Jun 10 PCTFULL has been reloaded
NEWS 12 Jul 02 FOREGE no longer contains STANDARDS file segment
NEWS 13 Jul 22 USAN to be reloaded July 28, 2002;
saved answer sets no longer valid
NEWS 14 Jul 29 Enhanced polymer searching in REGISTRY
NEWS 15 Jul 30 NETFIRST to be removed from STN
NEWS 16 Aug 08 CANCERLIT reload
NEWS 17 Aug 08 PHARMAMarketLetter(PHARMAML) - new on STN
NEWS 18 Aug 08 NTIS has been reloaded and enhanced
NEWS 19 Aug 19 Aquatic Toxicity Information Retrieval (AQUIRE)
now available on STN
NEWS 20 Aug 19 IFIPAT, IFICDB, and IFIUIDB have been reloaded
NEWS 21 Aug 19 The MEDLINE file segment of TOXCENTER has been reloaded
NEWS 22 Aug 26 Sequence searching in REGISTRY enhanced
NEWS 23 Sep 03 JAPIO has been reloaded and enhanced
NEWS 24 Sep 16 Experimental properties added to the REGISTRY file
NEWS 25 Sep 16 Indexing added to some pre-1967 records in CA/CAPLUS
NEWS 26 Sep 16 CA Section Thesaurus available in CAPLUS and CA

NEWS EXPRESS February 1 CURRENT WINDOWS VERSION IS V6.0d,
CURRENT MACINTOSHVERSION IS V6.0a(ENG) AND V6.0Ja(JP),
AND CURRENT DISCOVER FILE IS DATED 05 FEBRUARY 2002
NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS INTER General Internet Information
NEWS LOGIN Welcome Banner and News Items
NEWS PHONE Direct Dial and Telecommunication Network Access to STN
NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

* * * * * STN Columbus * * * * *